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Errors Corrected by the STIC Systems Branch

1644

Serial Number:

09/483,672A

ENTERED

H6

TECH CENTER 1600/2900

- ☐ Changed a file from non-ASCII to ASCII
- ☐ Changed the margins in cases where the sequence text was "wrapped" down to the next line.
- ☐ Edited a format error in the Current Application Data section, specifically: _____
- ☐ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other _____
- ☐ Added the mandatory heading and subheadings for "Current Application Data".
- ☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.
- ☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically: _____
- ☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were: _____
- ☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited: _____
- ☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.
- ☐ Inserted colons after headings/subheadings. Headings edited included: _____
- ☐ Deleted extra, invalid, headings used by an applicant, specifically: _____
- ☐ Deleted: ☐ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file; ☐ page numbers throughout text; ☐ other invalid text, such as _____
- ☐ Inserted mandatory headings, specifically: _____
- ☐ Corrected an obvious error in the response, specifically: _____
- ☐ Edited identifiers where upper case is used but lower case is required, or vice versa.
- ☐ Corrected an error in the Number of Sequences field, specifically: _____
- ☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.
- ☐ Deleted *ending* stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: _____
- ☒ Other: Seq 378 - converted a.a. res
Seq 525 - aligned a.a. res

*Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.

3/1/95

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Page 1 of 9

TECH CENTER 1600/2000

RAW SEQUENCE LISTING

DATE: 07/30/2000

PATENT APPLICATION: US/09/483,672A

TIME: 17:04:25

Input Set : A:\Pto.amc

Output Set: N:\CRF3\07282000\I483672A.raw

3 <110> APPLICANT: Xu, Jiangchun
4 Dillon, Davin C.
5 Mitcham, Jennifer L.
6 Harlocker, Susan Louise
7 Jiang Yuqui
8 Reed, Steven G.
9 Kalos, Michael D.
10 Fanger, Gary R.
11 Retter, Marc W.
12 Solk, John A.
13 Day, Craig H.
14 Skeiky, Yasir A.W.
15 Wang, Aijun
16 Meagher, Madeleine
18 <120> TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
19 DIAGNOSIS OF PROSTATE CANCER
21 <130> FILE REFERENCE: 210121.42711C11
C--> 23 <140> CURRENT APPLICATION NUMBER: US/09/483,672A
24 <141> CURRENT FILING DATE: 2000-01-14
26 <160> NUMBER OF SEQ ID NOS: 590
28 <170> SOFTWARE: FastSEQ for Windows Version 3.0
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31 <211> LENGTH: 814
32 <212> TYPE: DNA
33 <213> ORGANISM: Homo sapien
35 <220> FEATURE:
36 <221> NAME/KEY: misc_feature
37 <222> LOCATION: (1)...(814)
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42 atcaaatctg aggggtgtct ggaggacttc aatacacctc ccccatagtg gaatcagctt 120
43 ccagggggtc cagtccctct ccttacttca tccccatccc atgccaaagg aagaccctcc 180
44 ctcccttggt cacagccttc tctaggcttc ccagtgcctc caggacagag tgggttatgt 240
45 ttccagctcc atccttgctg tgagtgtctg gtgcgttggt cctccagctt ctgctcagtg 300
46 ctccatggac agtgtccagc acatgtcact ctccactctc tcagtgtgga tccactagtt 360
47 ctgagcgggc cgccaccgcg gtggagctcc agcttttggt ccctttagtg agggttaatt 420
48 ggcgcgttgg cgtaaatcatg gtcataactg ttccctgtgt gaaattgtta tccgctcaca 480
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W--> 51 tgccagctgc attaatgaat cggccaacgc ncggggaaaa gcggtttgcg ttttgggggc 660
W--> 52 tcttcgctt ctcgtcact nantcctgcg ctcggtcntt cggtgcggg gaacggtatc 720
W--> 53 actcctcaaa gngggtatta cggttatccn naaatcnggg gatacccnngg aaaaaanttt 780
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56 <210> SEQ ID NO: 2
57 <211> LENGTH: 816
58 <212> TYPE: DNA

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RAW SEQUENCE LISTING

DATE: 07/30/2000

PATENT APPLICATION: US/09/483,672A

TIME: 17:04:25

Input Set : A:\Pto.amc

Output Set: N:\CRF3\07282000\I483672A.raw

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69 cttaaagtctg atgaacttcc caatcagatg agcatggatg attggccaga aatgaagaag      180
70 aagtttgcag atgtatttgc aaagaagacg aaggcagagt ggtgtcaaat ctttgacggc      240
71 acagatgcct gtgtgactcc ggttctgact tttagaggag ttgttcatca tgatcacaaac      300
72 aaggaacggg gctcgtttat caccagttag gacgaggacg tgagcccccg cctgcacct      360
73 ctgctgttaa acacccacgc catcccttct ttcaaaaggg atccactagt tctagaagcg      420
74 gccgccaccg cgggtggagc ccagcttttg ttccctttag tgagggttaa ttgcgcgctt      480
75 gccgtaatca tggtcatagc tgtttcctgt gtgaaattgt tatccgctca caattccccc      540
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W--> 77 cattaattgc gttgcgctca ctgcccgctt tccagtcggg aaaactgtcg tgcactgcn      660
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W--> 79 tcgctcattg atcctngcnc ccggtcttcg gctgcggnga acggttccact cctcaaaggc      780
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83 <211> LENGTH: 773
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94 tctgtctcct cactgggtgat aaacgagccc cgttccttgt tggatcatg atgaacaacc      120
95 tctcaaaaag tcagaaccgg agtcacacag gcatctgtgc cgtcaaatg atgacaccac      180
96 tctgccttcg tcttctttgc aaatacatct gcaaaattct tcttcatttc tggccaatca      240
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98 tcgtagaact ggggttctat tgctccaaca gccatgaatt ccccatctgc tgtcctgtaa      360
99 gtcgtataga aagggtgctc accatccaac atgttctgtc ctgcaggggg ggcccggtag      420
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W--> 102 ccagctgggc gtaatanega aaaggcccgcc accgatcgcc cttccaacag ttgcgcacct      600
W--> 103 gaatgggnaa atgggacccc cctgttaccg cgcattnaac ccccgenggg tttngttggt      660
W--> 104 acccccacnt nnaccgctta cactttgcca gcgccttanc gcccgctccc tttnccttt      720
W--> 105 cttcccttcc tttcnccn ctttcccccg gggtttcccc cntcaaaccc cna      773
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108 <211> LENGTH: 828
109 <212> TYPE: DNA
110 <213> ORGANISM: Homo sapien
112 <220> FEATURE:
113 <221> NAME/KEY: misc_feature
114 <222> LOCATION: (1)...(828)
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RAW SEQUENCE LISTING

DATE: 07/30/2000

PATENT APPLICATION: US/09/483,672A

TIME: 17:04:25

Input Set : A:\Pto.amc

Output Set: N:\CRF3\07282000\I483672A.raw

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120 tcggaacact ggtgtgtctt gaagacttct cgctcagttt cagtggaggac acacacaaag      180
121 acgtgggtga ccatgttggt tgtgggtgac agagatggga ggggtggggc ccaccctgga      240
122 agagtggaca gtgacacaag gtggacactc tctacagatc actgaggata agctggagcc      300
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W--> 124 gngggcactg ggaagcctan atnaggcctg gagcanaaag aaggggagga tccactagtt      420
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W--> 126 gcgcgcttgg cntaatcatg gtcatanctn tttcctgtgt gaaattgtta tccgctcaca      540
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W--> 130 tccgcttctc cnetcantta ntccctnctc tcggtcattc cggtgcngc aaaccgggtt      780
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136 <213> ORGANISM: Homo sapien
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140 <222> LOCATION: (1)...(834)
141 <223> OTHER INFORMATION: n = A,T,C or G
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146 attttataac aatcaacacc tgtggctttt aaaatttggg tttcataaga taattttatac      180
147 tgaagtaaat ctagccatgc ttttaaaaaa tgcttttagt cactccaagc ttggcagtta      240
148 acatttggca taaacaataa taaaacaatc acaatttaat aaataacaaa tacaacattg      300
149 taggccataa tcataacag tataaggaaa aggtggtagt gttgagtaag cagttattag      360
150 aatagaatac cttggcctct atgcaaatat gtctagacac tttgattoac tcagccctga      420
151 cattcagttt tcaaatgtag agacagggtc tacagtatca tttacagtt tccaacacat      480
152 tgaaaaaag tagaaaatga tgagttgatt tttattaatg cattacatcc tcaagagtta      540
153 tcaccaaccc ctcagttata aaaaattttc aagttatatt agtcataata cttggtgtgc      600
154 ttattttaaa ttagtgtctaa atggattaag tgaagacaac aatgggtccc taatgtgatt      660
W--> 155 gatattgggc atttttacca gtttctaaat ctnaacttcc aggcctttga actggaacat      720
W--> 156 tgnatnacag tgttccanag ttncaaccta ctggaacatt acagtggtct tgattcaaaa      780
W--> 157 tgttatattg ttaaaaatta aattttaacc tgggtggaaa ataatttgaa atna      834
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160 <211> LENGTH: 818
161 <212> TYPE: DNA
162 <213> ORGANISM: Homo sapien
164 <220> FEATURE:
165 <221> NAME/KEY: misc_feature
166 <222> LOCATION: (1)...(818)
167 <223> OTHER INFORMATION: n = A,T,C or G
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RAW SEQUENCE LISTING

DATE: 07/30/2000

PATENT APPLICATION: US/09/483,672A

TIME: 17:04:25

Input Set : A:\Pto.amc

Output Set : N:\CRF3\07282000\I483672A.raw

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172 tgtaaaagtga aatattagtt ggcggatgaa gcagatagtg aggaaagtgg agccaataat 180
173 gacgtgaagt ccgtggaagc ctgtggctac aaaaaatggt gagccgtaga tgccgtcggg 240
174 aatgggtgaag ggagactcga agtactctga ggcctttagg agggtaaaat agagaccag 300
175 taaaattgta ataagcagtg cttgaattat ttggtttcgg ttgttttcta ttagactatg 360
176 gtgagctcag gtgattgata ctctgatgc gagtaatacg gatgtgttta ggagtgggac 420
177 ttctagggga tttagcgggg tgatgcctgt tgggggccag tgccctccta gttggggggt 480
178 aggggctagg ctggagtggg aaaaggctca gaaaaatcct gcgaagaaaa aaacttctga 540
179 ggtaataaat aggattatcc cgtatcgaag gcctttttgg acagggtggg tggtgtggcc 600
180 ttggtatgtg ctttctcgtg ttacatcgcg ccatcattgg tataatggtta gtgtgttggg 660
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W--> 182 gtcattanga nggctnaaaa ggcctgttta ngggtctggg ctnggtttta cccnaccat 780
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188 <213> ORGANISM: Homo sapien
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191 <221> NAME/KEY: misc_feature
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197 cgggccctat ttcaaagatt tttaggggaa ttaattctag gacgatgggt atgaaactgt 120
198 ggtttgctcc acagatttca gacattgac cgtagtatac ccccggtcgt gtacgggtga 180
199 aagtgtttt gttagacgt ccgggaattg catctgtttt taagcctaata gtggggacag 240
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202 gaagtatgta ggaattgaag attaatccgc cgtagtcggt gttctcctag gttcaatacc 420
203 attggtggcc aattgatttg atggttaagg gagggatcgt tgaactcgtc tgttatgtaa 480
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W--> 206 gaatnttngg gaaaagggtc tacaggacta gaaaccaaata angaaaanta atnntaangg 660
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224 ctgaagcgca cgtcccagaa ggtggacttg gcactgaaac agctgggaca catccgcgag 180
225 tacgaacagc gctgaaagt gctggagcgg gaggtccagc agtgtagccg cgtccctggg 240
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RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/483,672ADATE: 07/30/2000
TIME: 17:04:25Input Set : A:\Pto.amc
Output Set: N:\CRF3\07282000\I483672A.raw

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243 <221> NAME/KEY: misc_feature
244 <222> LOCATION: (1)...(801)
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250 caaggacaag gccaccaggt gcgggggccc aagcccacat gatccttact ctatgagcaa 180
W--> 251 aatccctgtt gggggtctct ccttgaagtc cgccancagg gctcagcttt tggaccang 240
W--> 252 caggctcatg ggtgtgngc caactggggg ccncaacgca aaanggcnaa gggcctcngn 300
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263 <210> SEQ ID NO: 10
264 <211> LENGTH: 789
265 <212> TYPE: DNA
266 <213> ORGANISM: Homo sapien
268 <220> FEATURE:
269 <221> NAME/KEY: misc_feature
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271 <223> OTHER INFORMATION: n = A,T,C or G
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276 agatcctgcc ctacacactg gcctccctct accaccggga gaagcagggt ttctgcccc 180
277 aataccgagg ggacactgga ggtgctagca gtgaggacag cctgatgacc agcttctctg 240
278 caggccctaa gcctggagct ccttcccta atggacacgt ggggtgctga ggcagtggcc 300
279 tgcctccacc tccaccgcg ctctgcggg cctctgcctg tgatgtctcc gtacgtgtgg 360
W--> 280 tgggtgggtga gccaccgan gccagggtg ttccgggccc gggcatctgc ctggacctcg 420
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

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VERIFICATION SUMMARY

DATE: 07/30/2000

PATENT APPLICATION: US/09/483,672A

TIME: 17:04:26

Input Set : A:\Pto.amc

Output Set: N:\CRF3\07282000\I483672A.raw

L:23 M:270 C: Current Application Number differs, Wrong Format
L:50 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:51 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:52 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:53 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:54 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:76 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:77 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:78 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:79 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:80 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:97 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:100 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:102 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:103 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:104 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:105 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:123 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:124 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:125 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:126 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:127 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:128 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:129 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:130 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:131 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:155 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:156 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:157 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:181 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:182 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:183 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:200 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:204 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:205 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:206 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:207 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:208 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:209 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:226 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:227 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:228 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:229 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:230 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:231 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:232 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:233 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:234 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8

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Input Set : A:\Pto.amc
Output Set: N:\CRF3\07282000\I483672A.raw

L:235 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:249 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:251 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:698 M:283 W: Missing Blank Line separator, <210> field identifier
L:1467 M:283 W: Missing Blank Line separator, <400> field identifier
L:10018 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:502
L:10018 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:502
L:10018 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:502
L:10018 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:502
L:10018 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:502
L:10019 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:502
L:10019 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:502
L:10019 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:502
L:10019 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:502
M:340 Repeated in SeqNo=502
L:10020 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:502
L:10020 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:502
L:10020 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:502
L:10020 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:502
L:10021 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:502
L:10021 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:502
L:10021 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:502
L:10021 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:502
L:10023 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:502
L:10023 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:502
L:10023 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:502
L:10023 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:502
L:10031 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:503
L:10031 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:503
L:10031 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:503
L:10031 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:503
L:10031 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:503
L:10032 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:503
L:10032 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:503
L:10032 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:503
L:10032 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:503
M:340 Repeated in SeqNo=503
L:10033 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:503
L:10033 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:503
L:10033 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:503
L:10033 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:503
L:10035 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:503
L:10035 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:503
L:10035 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:503
L:10035 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:503
L:10036 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:503
L:10036 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:503
L:10036 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:503
L:10036 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:503

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Input Set : A:\Pto.amc
 Output Set: N:\CRF3\07282000\I483672A.raw

L:10037 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:503
 L:10037 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:503
 L:10037 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:503
 L:10037 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:503
 L:10107 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:508
 L:10107 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:508
 L:10107 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:508
 L:10107 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:508
 L:10107 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:508